

IN THE CLAIMS

The listing of the claims which follows replaces any and all prior versions and/or listings of the claims in the application.

1. (original) A method of treating or preventing stress response in a subject in need thereof, which comprises administering a therapeutically effective amount of a CCR5 antagonist to the subject.

2.-3. (canceled)

4. (original) The method according to claim 1, wherein the subject is other than a graft transplant patient.

5. (original) The method according to claim 1, wherein the stress response is stress response to surgery.

6. (original) The method according to claim 1, wherein the subject is a cardiac surgery patient.

7. (original) The method according to claim 1, wherein the therapeutically effective amount of CCR5 antagonist administered to the subject is an amount effective to inhibit endogenous production of one or more pro-inflammatory cytokines selected from the group consisting of IL1 and IL6.

8.-10. (canceled)

11. (original) A method of treating or preventing hyperthermia in a subject in need thereof, which comprises administering a therapeutically effective amount of a CCR5 antagonist to the subject.

12.-13. (canceled)

14. (original) The method according to claim 11, wherein the subject is other than a graft transplant patient.

15. (original) The method according to claim 11, wherein the stress response is surgical hyperthermia.

16. (original) The method according to claim 11, wherein the subject is a cardiac surgery patient.

17. (original) The method according to claim 11, wherein the therapeutically effective amount of CCR5 antagonist administered to the subject is an amount effective to inhibit endogenous production of one or more pro-inflammatory cytokines selected from the group consisting of IL1 and IL6.

18.-41. (canceled)

42. (original) A method of inhibiting endogenous production of at least one pro-inflammatory cytokine selected from the group consisting of IL1 and IL6, which comprises administering to a mammal in need of such inhibition a CCR5 modulator in an amount effective to inhibit production of the cytokine.

43. (original) The method according to claim 42, wherein the CCR5 modulator comprises a CCR5 antagonist.

44. (original) A method for monitoring the effectiveness of treatment of a subject suffering from an acute inflammatory response, said treatment comprising administration of a CCR5 modulator, wherein the method comprises:

(A) obtaining a pre-administration sample from the subject prior to administration of the CCR5 modulator and determining the level of expression or activity of a pro-inflammatory cytokine selected from the group consisting of IL1 and IL6 in the pre-administration sample;

(B) obtaining a post-administration sample from the subject subsequent to administration of the CCR5 modulator and determining the level of expression or activity of the pro-inflammatory cytokine; and

(C) comparing the level of cytokine expression or activity of the post-administration sample with the level of cytokine expression or activity of the pre-administration sample.

45. (original) The method according to claim 44, which further comprises:

(D) adjusting the administration of the CCR5 modulator to increase or decrease the level of cytokine expression or activity; and

(E) repeating steps (A), (B), and (C).

46. (original) The method according to claim 45, wherein the CCR5 modulator comprises a CCR5 antagonist.

47.-52. (canceled)